1	QUINN EMANUEL URQUHART & SULLIVA	N, LLP	
2	Alex Spiro (appearing <i>pro hac vice</i>) alexspiro@quinnemanuel.com		
	Andrew J. Rossman (appearing <i>pro hac vice</i>)		
3	andrewrossman@quinnemanuel.com		
4	Ellyde R. Thompson (appearing <i>pro hac vice</i>)		
5	ellydethompson@quinnemanuel.com Jesse Bernstein (appearing pro hac vice)		
	jessebernstein@quinnemanuel.com		
6	51 Madison Avenue, 22nd Floor		
7	New York, New York 10010		
	Telephone: (212) 849-7000		
8	Michael T. Lifrak (Bar No. 210846)		
9	michaellifrak@quinnemanuel.com		
	Anthony P. Alden (Bar No. 232220)		
10	anthonyalden@quinnemanuel.com		
11	Kyle Batter (Bar No. 301803) kylebatter@quinnemanuel.com		
12	865 South Figueroa Street, 10th Floor		
	Los Angeles, California 90017-2543		
13	Telephone: (213) 443-3000		
14	Attorneys for Defendants Tesla, Inc., Elon Musk,		
15	Brad W. Buss, Robyn Denholm, Ira Ehrenpreis,		
	Antonio J. Gracias, James Murdoch, Kimbal Mu	sk,	
16	and Linda Johnson Rice		
17	UNITED STATES DISTRICT COURT		
18	NORTHERN DISTRICT OF CALIFORNIA		
19			
20	IN RE TESLA, INC. SECURITIES LITIGATION	Case No. 3:18-cv-04865-EMC	
21	Efficient	DEFENDANTS' EMERGENCY MOTION	
22		TO COMPEL SUPPLEMENTAL EXPERT	
		REPORTS AND DEPOSITIONS	
23		ORAL ARGUMENT REQUESTED	
24		ORAL ARGUMENT REQUESTED	
25		Date: TBD	
23		Time: TBD	
26		Location: Courtroom 5, 17th Floor Judge: Hon. Edward Chen	
27			
28			

1	TABLE OF CONTENTS		
2			<u>Page</u>
3	INTRODUCTION1		
4	STATEMENT OF FACTS		
5	A.	Plaintiff's Expert Reports Rely on Theoretical (Not Actual) Stock Option Prices to Calculate "Actual" Options Prices and Rely on "But-For" (Not Actual) Implied Volatility to Calculate "But-For" Options Prices	
7	В.	Heston and Hartzmark Acknowledge That "But-For" and Actual Volatility <i>Are Different</i> , and Opine That Musk's Tweets Impacted Implied Volatility	y
8 9	C.	The Court Ruled That Heston's Reliance on Theoretical Option Prices to Calculate "Actual" Option Prices Was Improper, But His Calculation of "But-For" Option Prices Was Proper	
10 11	D.	Plaintiff's Experts Have Made Material Changes in Their Approach to Calculating Options Damages, But Have Not Provided the Required Disclosures	
12 13	E.	Plaintiff's Experts' New Approach to Calculating "But-For" Options Price Is Inconsistent With Their Prior Opinions	es 7
14	LEGAL STANDARD8		
15	ARGUMENT9		
16 17	I. Two Months Ago, Plaintiff Agreed That Heston Would Use Actual (Rather Than Theoretical) Option Prices to Calculate the Actual Options Prices, But Plaintiff Has Not Produced Anything		
18	II. Plainti Supple	iff's Eleventh-Hour Change of Expert Opinions Entitles Defendants to emental Expert Reports and Depositions	9
19 20	CONCLUSION11		
21			
22			
23			
24			
25			
26			
27			
28			
		-i- Case No. 3:18-cv	v-04865-EMC

1	TABLE OF AUTHORITIES
2	<u>Page</u>
3	Cases
4	Apple, Inc. v. Samsung Elecs. Co.,
5	2012 WL 5878392 (N.D. Cal. Nov. 21, 2012)
6	Dat Thanh Luong v. Napa State Hosp., 2019 WL 4083032 (N.D. Cal. Aug. 29, 2019)9
7	Gaffron v. United States, 2016 WL 3042667 (S.D. Cal. Feb. 24, 2016) 10
8 9	Immunex Corp. v. Sanofi, 2018 WL 1941714 (C.D. Cal. Feb. 27, 2018)
10	Intervention 911 v. City of Palm Springs, 2014 WL 12853209 (C.D. Cal. May 30, 2014)
11	Langer v. Wasserman, 2019 WL 7900038 (C.D. Cal. Nov. 26, 2019)
12	Luke v. Fam. Care & Urgent Med. Clinics, 323 F. App'x 496 (9th Cir. 2009)
13	Oracle Am., Inc. v. Hewlett Packard Enter. Co., 2019 WL 468809 (N.D. Cal. Feb. 6, 2019)
14 15	Therasense, Inc. v. Becton, Dickinson & Co., 2008 WL 2037732 (N.D. Cal. May 12, 2008)
16	U.S. Fidelity & Guar. Co. v. Lee Invs. LLC, 641 F.3d 1126 (9th Cir. 2011)
17	Rules
18	Fed. R. Civ. P. 26(a)(2)(B)
19	Fed. R. Civ. P. 26(e)
20	Fed. R. Civ. P. 37(a)(3)(A)
21	
22	
23	
24	
25	
26	
27	
28	
	-ii- Case No. 3:18-cv-04865-EMC

NOTICE OF MOTION AND MOTION

PLEASE TAKE NOTICE that, as soon as possible, on a date to be decided by the Court, in Courtroom 5 – 17th Floor of the United States Court for the Norther District of California, located at 450 Golden Gate Avenue, San Francisco, CA 94102, the Honorable Edward M. Chen presiding, Defendants, through their counsel, will move, and hereby do move pursuant to Federal Rules of Civil Procedure 26, 30, and 37 to compel supplemental expert reports from Plaintiff's expert witnesses Professor Steven Heston and Dr. Michael Hartzmark and to compel further depositions of Heston and Hartzmark to allow Defendants to question the witnesses about their supplemental opinions. Given the January 17, 2023 trial date, and consistent with the Court's Civil Standing Order, Defendants respectfully request an expedited hearing on this motion.

This motion is based on the Memorandum of Points and Authorities below, the Declaration of Kyle Batter and the exhibits attached thereto, the arguments of counsel, and any other matters properly before this Court. Pursuant to Paragraph 11 of the Court's Civil Standing Order, Defendants also submit a proposed order.

15

16

1

2

3

4

5

6

7

8

9

10

11

12

13

14

DATED: December 21, 2022

17

18

19

20

21 22

23

24

25 26

27

28

Respectfully submitted,

QUINN EMANUEL URQUHART & SULLIVAN, LLP

By: /s/ Alex Spiro

Alex Spiro (appearing pro hac vice)

Attorneys for Tesla, Inc., Elon Musk, Brad W. Buss, Robyn Denholm, Ira Ehrenpreis, Antonio J. Gracias, James Murdoch, Kimbal Musk, and Linda Johnson Rice

MEMORANDUM OF POINTS AND AUTHORITIES

INTRODUCTION

It has been more than *eight weeks* since the Final Pretrial Conference, where, in response to the Court's questions, Plaintiff announced that Professor Heston could revise his expert report to use actual option prices to compare to "but-for" options prices. It has been more than *two weeks* since the Court's resulting Order. We are now well under a month from trial. Yet, despite repeated requests and meet and confers, Plaintiff has not provided anything: no new disclosures, no new calculations, no supplemental reports. Instead, Plaintiff has taken the opportunity to make *further* material changes to his approach to options damages on the eve of trial, while refusing to provide the discovery necessary for Defendants to respond to these changes. Specifically, Plaintiff refuses to provide the required supplemental expert disclosures to explain his changed approach, refuses to make Professor Heston and Dr. Hartzmark available for supplemental depositions on the changed approach, and refuses to give Defendants time to challenge Plaintiff's new approach. Defendants urgently request Court intervention to prevent the extreme prejudice caused by Plaintiff's eleventh-hour gamesmanship.

Heston's expert report purports to calculate the difference between "actual" options prices and "but-for" options prices. However, as demonstrated in Defendants' motion in *limine* to exclude Heston's and Hartzmark's opinions, Heston did not use "actual" options prices. Instead, he calculated *so-called* "actual" options price by generating theoretical options prices derived from a "straddle." Hartzmark's calculation of options damages relies on Heston's methodology. In ruling on Defendants' motion in *limine*, the Court found that "Professor Heston's decision to use theoretical prices derived from straddles rather than the actual market price for each Tesla stock option appears to be unprecedented, and poses serious *Daubert* issues." (ECF No. 508 at 36:26-28.) The Court, however, did not rule on that portion of Defendants' motion because, "during the [October 25, 2022] pretrial conference Plaintiff agreed to rerun the stock option calculations using actual option price data instead of the theoretical prices." (*Id.* at 36:28-37:2.)

Since the October 25 Final Pretrial Conference, Plaintiff has failed to abide by his agreement to simply "rerun the calculations," and instead, has substantively changed Heston's and Hartzmark's opinions in ways not contemplated or sanctioned by the Court (not to mention, long after the expert

disclosure deadline to do so). And despite repeated requests, Plaintiff has refused to provide the supplemental disclosures required by Federal Rule 26 detailing Plaintiff's changed approach, and has refused to make Heston and Hartzmark available for supplemental depositions on the new approach. Defendants' motion for this relief should be granted.

First, while Plaintiff agreed on October 25 to use actual stock option prices to compare to butfor prices for Tesla options, Plaintiff has failed to provide Defendants with any updated disclosures or calculations. Plaintiff should be ordered to do so immediately.

Second, and far more troubling, although the Court condoned an alteration to Heston's calculation of actual options prices, Plaintiff has taken the opportunity to materially alter the method Heston and Hartzmark use to calculate but-for options prices as well. Specifically, Heston and Hartzmark previously calculated but-for option prices by using but-for stock prices and but-for implied volatilities. This was consistent with Plaintiff's theory of the case that Mr. Musk's alleged material misstatements impacted both Tesla's stock price and implied volatilities. However, Plaintiff has now reversed course—without explanation or justification—and now seeks to discard his use of but-for implied volatilities and replace them with actual implied volatilities, as if they could be interchanged. In other words, Plaintiff now assumes without support that implied volatilities—a key factor in determining options prices—would have remained exactly the same in the but-for world. This is despite Plaintiff's own claim that actual volatilities declined due to Mr. Musk's alleged misrepresentations, such that but-for implied volatilities and actual implied volatilities were not the same. Plaintiff's decision to alter his methodology and conclusions regarding but-for implied option volatility is a material shift in Plaintiff's expert opinions necessitating supplemental disclosures.

To be clear, Plaintiff has not served any amended reports from Heston or Hartzmark to articulate this change in approach to calculating options damages. All Plaintiff has done is explain orally and by email in informal meet and confers that he is substantively changing his approach to calculating but-for options prices, despite the Court's ruling that Plaintiff's *prior* method for calculating but-for options prices passed muster under *Daubert*. (ECF No. 508 at 36:17-19.) Plaintiff's decision to change his approach to calculating options damages on the eve of trial—over one year after the deadline for expert disclosures—without sufficient information for Defendants to

respond violates Federal Rule 26. This should not be done on the fly, with hundreds of millions of dollars at stake.

Plaintiff should be ordered to provide supplemental reports that explain Heston's and Hartzmark's new approach, including their bases for assuming volatility in the actual and but-for worlds *are the same*, and Defendants should be given a fair opportunity to depose the witnesses about these changes in their opinions.¹ Given the approaching trial date, and consistent with the Court's Civil Standing Order, Defendants respectfully request an expedited hearing on this motion.

STATEMENT OF FACTS

A. Plaintiff's Expert Reports Rely on Theoretical (Not Actual) Stock Option Prices to Calculate "Actual" Options Prices and Rely on "But-For" (Not Actual) Implied Volatility to Calculate "But-For" Options Prices

To calculate options damages in this action, Plaintiff served the expert reports of Professor Steven Heston and Dr. Michael Hartzmark. (Declaration of Kyle Batter filed herewith, Exs. A, B.) Plaintiff engaged Heston to "analyze the price movements of options on Tesla common stock during the Class Period." (*Id.*, Ex. A ¶ 10.) In his report, Heston proposed calculating both "actual" options prices and "but-for" options prices.

To calculate "actual" options prices, however, Heston created a synthetic Tesla instrument, known as an at-the-money ("ATM") forward straddle that was not actually traded in the market. Heston utilized the implied volatility from this synthetic instrument to derive a "re-valued fitted option value" for the 2,400 Tesla options traded during the class period. (*Id.* ¶ 165 a-b.) To calculate but-for option prices for each Tesla option, Heston proposed that a "counterfactual implied volatility and stock price" could be plugged into the Black-Scholes formula. (*Id.* ¶ 183.) Heston contends that the difference between the "re-valued fitted option value" (i.e., the *purported* "actual" price) and the "but-for option price" is the price impact of Mr. Musk's tweet. (*Id.* ¶ 165 c-d.)

Relying on Heston's calculation of "re-valued fitted option values" and Heston's method for calculating but-for option values, Hartzmark purported to calculate the damages to Tesla options

¹ Defendants are also entitled to the opportunity to rebut Plaintiff's newfound theory and reserve their right to seek to exclude the supplemental opinions of Heston and Hartzmark under *Daubert*.

1 | p 2 | T 3 | v 4 | o 5 | b

6

7

8

9

10

11

12

13

14

15

16

17

18

19

20

21

22

23

24

25

26

purchasers and sellers allegedly caused by Mr. Musk's tweets. Hartzmark opined that the damages to Tesla options purchases and sellers was the difference between Heston's "re-valued fitted option values" (again, purportedly some form of an "actual" option price) and "but-for" option prices—i.e., option inflation or deflation. As Heston had proposed, Hartzmark calculated the but-for option prices by plugging but-for stock prices and but-for implied volatilities into the Black-Scholes-Merton formula. (*Id.*, Ex. A ¶ 183; *id.*, Ex. B ¶ 215.)

B. <u>Heston and Hartzmark Acknowledge That "But-For" and Actual Volatility Are Different</u>, and Opine That Musk's Tweets Impacted Implied Volatility

Including implied volatilities as an input for the calculation of but-for options prices was no accident. Hartzmark opined that Mr. Musk's August 7, 2018 tweets caused the implied volatility of Tesla stock options to significantly decline during the class period, and Heston suggested a correlation. For example, Heston opined: (a) "Following 12:48 p.m. on August 7, 2018, Tesla stock prices rose, and long-term ATM-forward Tesla option straddle prices fell sharply. Section 5.4 shows that on August 7, 2018, following 12:48 p.m., long-term ATM-forward Tesla option straddles lost value. This decline in price is substantial and rare. This decline can be directly translated into a significant decrease in implied volatility using standard Black-Scholes-Merton formulas." (Batter Decl., Ex. A ¶ 12 (emphasis added).) (b) "All long-term Tesla put options lost value on August 7, 2018. Option theory predicts that rising stock prices and *declining volatility* will reduce the value of put options." (id. ¶ 13 (emphasis added).) (c) "Prices of long-term out-of-the money Tesla call options fell, while prices of long-term in-the-money Tesla call options rose on August 7, 2018. Call options benefitted from the rise in Tesla stock price but were negatively impacted by the fall in implied volatility. Consequently, the price of in-the-money and out-of-the-money Tesla call options diverged on August 7, 2018. These two countervailing effects during the Class Period must be netted to determine the combined impact on option prices." (Id. ¶ 14 (emphasis added).)

Similarly, Hartzmark opined that Mr. Musk's August 7, 2018 tweets caused the implied volatilities of Tesla stock options *to decline*:

(a) "[T]here were large and unusual movements in options prices (and related implied volatility) following the Musk Tweets. My loss causation analysis has demonstrated these movements were caused by

28

27

the Musk Tweets and reflected an increased probability of a going private deal being completed." (*Id.*, Ex. B ¶ 186.)

- (b) "Academic research supports this conclusion about option prices and implied volatility movements in response to announcements of potential corporate events, such as a going private transaction." (*Id.* ¶ 187.)
- (c) "Professor Heston demonstrates that for longer-term options *the volatility over the Class Period immediately declines* and then rises by August 17, 2018." ($Id. \P 190.$)

Thus, according to both Heston and Hartzmark, any appropriate calculation of but-for options prices must take into account changes in implied volatilities purportedly caused by Mr. Musk's August 7, 2018 tweets.

C. The Court Ruled That Heston's Reliance on Theoretical Option Prices to Calculate "Actual" Option Prices Was Improper, But His Calculation of "But-For" Option Prices Was Proper

On September 20, 2022, Defendants filed a motion *in limine* to exclude the opinions of Heston and Hartzmark. (ECF No. 479.) Among other bases, Defendants argued that Heston's proposed model was unreliable because it did not compare *actual* Tesla option prices to but-for prices. (*Id.* at 2-5.) Instead, it compared one set of *theoretical* prices generated by Heston (inaccurately labeled as "actual") to another set of *theoretical* prices proposed by Heston (labeled as "but-for"). (*Id.*) Notably, Defendants never argued or even suggested that Heston or Hartzmark should use actual *implied* volatilities to calculate but-for option prices.

During the October 25, 2022 oral argument on Defendants' motion, the Court questioned Plaintiff's counsel, "why not use the actual option prices" in Heston's expert opinion, rather than theoretical prices that only purported to reflect actual prices. (Batter Decl., Ex. C at 36:19-21.) In response, Plaintiff's counsel proposed using actual prices. (*Id.* at 53:16-18.) The Court ruled on Defendants' motion on December 7, 2022, as part of its Final Pretrial Order. (ECF No. 508.) The Court found that, on the one hand, Heston's "use of the BSM model to derive implied volatility [i.e., but-for volatility—not actual volatility] and calculate counterfactual prices is sufficiently reliable for Daubert." (ECF No. 508 at 44:21-22.) On the other hand, the Court agreed with Defendants that Heston could not use theoretical option prices, rather than actual market prices, to compare to the but-

for option prices:

1

2

3

4

5

6

7

8

9

10

11

12

13

14

15

16

17

18

19

20

21

22

23

24

25

26

[T]he Court finds that Professor Heston's use of the Black-Scholes-Merton model to calculate the counterfactual but-for price of stock options is sufficiently reliable to pass muster under Daubert. The process of calculating but-for prices inevitably requires some degree of theoretical modeling, and the Black-Scholes-Merton model appears sufficiently scientifically valid and widely accepted. But Professor Heston's use of artificial data to calculate the "re-valued fitted option value" (i.e. the "actual" price) is another matter. There are substantial questions regarding Professor Heston's use of adjusted prices rather than the actual observed trading data for each individual stock option. Unlike with counterfactual prices, which must be modeled, the actual prices for Tesla's stock options are observable from actual market data. Professor Heston's decision to use theoretical prices derived from straddles rather than the actual market price for each Tesla stock option appears to be unprecedented, and poses serious Daubert issues. But the Court ultimately does not rule on this issue because, in light of these concerns, during the pretrial conference Plaintiff agreed to rerun the stock option calculations using actual option price data instead of the theoretical prices.

(*Id.* at 36:17-37:2 (emphasis added). Notably, the Court also observed: "While the Court recognizes that implied volatility is different from stock price, they are related, and *neither party described any evidence nor articulated any reason to believe that the observed movements in implied volatility were due to something other than the Musk Tweets."* (*Id.* at 48:13-16 (emphasis added).)

D. <u>Plaintiff's Experts Have Made Material Changes in Their Approach to Calculating Options Damages, But Have Not Provided the Required Disclosures</u>

On December 11, 2022, just a few days after the Court issued its Final Pretrial Conference Order, Defendants reached out to remind Plaintiff that, as noted in the Court's Order, Plaintiff had "agreed" *nearly two months ago* "to use actual, not adjusted data to calculate the 'actual' (not but-for) curve" and to "rerun his calculations using actual market data for each particular stock option." (Batter Decl., Ex. D at 5.) Defendants requested supplemental disclosures from Heston and Hartzmark consistent with the Court's Order, and their supplemental depositions. (*Id.*)

Rather than provide updated "actual" calculations—as had been proposed at the Final Pretrial Conference months before—Plaintiff responded the following day informing Defendants *for the first time, and months after the expert disclosure deadline,* that, in addition to using actual options prices

2728

Case No. 3:18-cv-04865-EMC

10

20

21

22

23

17

18

19

24 25

27

26

28

to calculate the actual options curve, Plaintiff would "just use actual reported implied volatility for all calculations of option damages," including the but-for options prices. (*Id.* at 4 (emphasis added).) Notably, although this Court ruled that Plaintiff could "rerun the stock option calculations using actual option price data instead of the theoretical prices" for purposes of calculating the "actual" option prices (ECF No. 508 at 36:21-37:2), the Court did not grant any such request with respect to but-for calculations, which the Court found "inevitably requires some degree of theoretical modeling." (Id. at 36:17-21.) Despite making a substantive change with respect to the calculation of but-for options prices—and in turn options damages—Plaintiff declined to provide supplemental expert disclosures and ignored Defendants' request for depositions. (Batter Decl., Ex. D at 4.)

Following this surprising disclosure, Defendants sought to meet and confer with Plaintiff to understand Plaintiff's new approach, which was arranged for Friday, December 16. (Id. 2-4.) During the call, Defendants requested supplemental expert reports that explained Plaintiff's new approach to calculating damages on Tesla options, the bases for the new approach, and all supporting calculations. (Id. at 2.) Defendants explained that they were entitled to the supplemental disclosures, as well as to depose Heston and Hartzmark about the inconsistencies between their newly disclosed approach which for the first time is now premised on the assumption that implied volatility did not change as a result of Mr. Musk's tweets—and their prior opinions. (Id.) Plaintiff did not agree to Defendants' requests. (Id. at 1.)

Ε. Plaintiff's Experts' New Approach to Calculating "But-For" Options Prices Is **Inconsistent With Their Prior Opinions**

With just a month to trial, Plaintiff has proposed a new and very different methodology for calculating but-for option prices—a methodology that is completely at odds with Hartzmark's and Heston's prior opinions and Plaintiff's arguments to this Court. Here is the best description of it Plaintiff has provided to date:

> Consistent with this ruling [on Defendants' motion in *limine*], Plaintiff proposes that damages for investors in Tesla stock options be calculated using the out-of-pocket methodology using the Black-Scholes-Merton model to calculate the but-for price for Tesla stock options and this but-for price should be calculated using the but-for price of Tesla stock as determined by the jury at trial and the actual

observed implied volatility as reported by the CBOE Exchange on the date the option was transacted during the Class Period.

Plaintiff's proposal will eliminate the requirement for the jury to determine but-for implied volatilities for Tesla options as reflected in Plaintiff's initial proposed verdict form. This question has now been removed from the revised verdict form.

(ECF No. 513 at 3:7-12, 5:1-3 (emphasis added).) In other words, both Heston and Hartzmark, having opined and Plaintiff having argued to this Court that Mr. Musk's August 7, 2018 tweets caused the level of implied volatilities to *decline*, now propose to entirely *ignore this* when calculating damages to Tesla option holders. Specifically, when calculating the but-for price of Tesla options during the Class Period, Hartzmark now intends to use "actual" implied volatilities reported by the CBOE. He intends to assume that Mr. Musk's tweets had *no effect* on the implied volatilities of Tesla options during the Class Period, even though both he and Heston opined that Mr. Musk's tweets caused implied volatility to decline. This is not only squarely inconsistent with Hartzmark's and Heston's prior opinions but also with Hartzmark's *current opinion* that changes in implied volatility can be used to measure the "direct effect" of Mr. Musk's tweets. (Ex. B ¶¶ 178, 197, 201.)

LEGAL STANDARD

Expert reports "must contain," among other things, "(i) a complete statement of all opinions the witness will express and the basis and reasons for them; (ii) the facts or data considered by the witness in forming them; (iii) any exhibits that will be used to summarize or support them." Fed. R. Civ. P. 26(a)(2)(B). A party that produces an expert report, "must supplement or correct [that report] ... in a timely manner if the party learns that in some material respect the [report] is incomplete or incorrect, and if the additional or corrective information has not otherwise been made known to the other parties during the discovery process or in writing." Fed. R. Civ. P. 26(e) (emphasis added). "[T]he party's duty to supplement extends both to information included in the report and to information given during the expert's deposition." Id. "Rule 26(e) creates a duty to supplement." Luke v. Fam. Care & Urgent Med. Clinics, 323 F. App'x 496, 500 (9th Cir. 2009). "If a party fails to make a disclosure required by Rule 26(a), any other party may move to compel disclosure and for appropriate sanctions." Fed. R. Civ. P. 37(a)(3)(A).

ARGUMENT

Two Months Ago, Plaintiff Agreed That Heston Would Use Actual (Rather Than

2 3

4 5

6 7

8

9 10

11

13

14

12

15 16

17 18

19

20 21

22

23

24 25

26

27

28

Theoretical) Option Prices to Calculate the Actual Options Prices, But Plaintiff Has Not Produced Anything

During the October 25, 2022 oral argument on Defendants' motion in *limine*, the Court questioned Plaintiff's counsel, "why not use the actual option prices" to compare to but-for option prices, rather than theoretical prices. (Batter Decl., Ex. C at 36:19-21.) In response, Plaintiff's counsel agreed that "if the Court's concern is [that Heston's methodology is] not sufficiently supported and would rather-- if the Court's preference is that we use actual prices, we [will] use actual prices." (Id. at 53:16-18.) The Court confirmed Plaintiff's agreement in its Final Pretrial Conference Order. (ECF No. 508 at 37:1-2 ("[D]uring the pretrial conference Plaintiff agreed to rerun the stock option calculations using actual option price data instead of the theoretical prices").)

It has been two months since the hearing and Plaintiff has provided nothing: no new disclosures, no new calculations, no supplemental reports. Plaintiff should be required to do so immediately consistent with Plaintiff's agreement, the Court's Order, and Federal Rule 26(e).

II. Plaintiff's Eleventh-Hour Change of Expert Opinions Entitles Defendants to **Supplemental Expert Reports and Depositions**

It is black letter law that expert witness "trial testimony shall be limited to what was disclosed in the [expert's] reports." Dat Thanh Luong v. Napa State Hosp., 2019 WL 4083032, at *1 (N.D. Cal. Aug. 29, 2019) (citing U.S. Fidelity & Guar. Co. v. Lee Invs. LLC, 641 F.3d 1126, 1138 (9th Cir. 2011)); see also Therasense, Inc. v. Becton, Dickinson & Co., 2008 WL 2037732, at *4 (N.D. Cal. May 12, 2008) (discussing the "paramount rule that all experts will be limited on direct examination to the four corners of their report"); Langer v. Wasserman, 2019 WL 7900038, at *2 (C.D. Cal. Nov. 26, 2019) (expert "testimony is limited to the opinions contained in her report"). Expert witnesses seeking to change their opinions must supplement their disclosures consistent with Federal Rule 26(e). See, e.g., Oracle Am., Inc. v. Hewlett Packard Enter. Co., 2019 WL 468809, at *2 (N.D. Cal. Feb. 6, 2019) ("A party that fails to timely supplement in compliance with the Rule is not allowed to use that information to supply evidence on a motion, at a hearing, or at a trial, unless the failure was substantially justified or is harmless.") (quoting Fed. R. Civ. P. 37(c)(1)).

As courts routinely find, supplemental expert reports and depositions are warranted under Federal Rule 26 when experts alter or fail to sufficiently disclose opinions in their initial reports. *See, e.g., Apple, Inc. v. Samsung Elecs. Co.*, 2012 WL 5878392, at *2 (N.D. Cal. Nov. 21, 2012) (ordering further expert depositions where the experts "offer[ed] new, previously undisclosed opinions that Samsung ha[d] not had an opportunity to test through deposition") (citations omitted); *Gaffron v. United States*, 2016 WL 3042667, at *4 (S.D. Cal. Feb. 24, 2016) (ordering the plaintiff to provide a supplemental expert report on a topic not sufficiently disclosed and allowing the defendant to depose the expert on the supplemental report); *Intervention911 v. City of Palm Springs*, 2014 WL 12853209, at *2 (C.D. Cal. May 30, 2014) (granting motion to compel three supplemental expert reports where the experts "failed to identify the specific facts and data [they] considered in forming [their] opinions"); *Immunex Corp. v. Sanofi*, 2018 WL 1941714, at *7 (C.D. Cal. Feb. 27, 2018) (ordering a further deposition of the defendant's expert on "the topics of the [previously] Undisclosed Experiments").

Here, *after* the Court ruled on the propriety of Heston's and Hartzmark's opinions on December 7, 2022 (ECF No. 508), Plaintiff informed Defendants that the experts would be materially changing their opinions with respect to the calculation of but-for option prices, a change that was never discussed and certainly not approved by this Court (unlike the change to "actual" options prices, which was discussed at the pre-trial conference). Specifically, Plaintiff now proposes that to calculate *but-for* options prices, Heston and Hartzmark would "use *actual* reported implied volatility," rather than the *but-for* implied volatility that Plaintiff's experts had disclosed in their reports and at their depositions. (Batter Decl., Ex. D at 4.)

In addition to having never been timely disclosed, this new position directly contradicts Plaintiff's experts' prior positions. Relying on Heston, Hartzmark's initial expert opinion was that Mr. Musk's alleged misrepresentations caused a *decrease* in the implied volatilities of Tesla long-term call options during the Class Period. (*E.g.*, id., Ex. B ¶¶ 186-90.) He opined that this decrease in volatility counteracted an increase in stock prices to *reduce* the value of the options (e.g., if one is betting on the likelihood of a stock hitting a certain price, the less volatile the stock, the less likely it will be to hit the strike price at any given point). (*E.g.*, id.) Hartzmark previously opined that, absent

Mr. Musk's tweets regarding taking Tesla private, implied volatility would have been higher (this is

because, when a take-private is being considered, volatility is lower as the stock price triangulates

supplemental disclosure explaining the change—that implied volatility would have been *the same* in

the but-for world as it was in the *actual* world. In other words, they wish to assume that *absent* Mr.

than under his experts' prior opinions, but-for options prices would therefore be lower as well, all

other things being equal. As a result, damages for many class members would be higher under

Plaintiff's new theory, because damages are calculated based on the difference between what a

plaintiff paid and what they should have paid in the but-for world. Yet Plaintiff has provided no

explanation or factual support to date for his new approach. Plaintiff's unexplained, eleventh-hour,

substantive change to his options damages methodology necessitates supplemental disclosures and

Musk's alleged misrepresentations, Tesla's volatility would still have declined for no reason.

In stark contrast, Heston and Hartzmark now seek to assume—with no basis and no

Because implied volatility would be lower in the but-for world under Plaintiff's new theory

2 3

around the potential deal price). (E.g., id.)

depositions under Fed. R. Civ. P. 26(e).

DATED: December 21, 2022

1

4 5

> 6 7

9 10

8

12

11

13 14

15 16

17

18

19 20

21

22 23

24

25

26

27 28

QUINN EMANUEL URQUHART & SULLIVAN, LLP

By: /s/ Alex Spiro

CONCLUSION

For the foregoing reasons, Defendants respectfully request that the Court (1) compel Professor Heston and Dr. Hartzmark to produce supplemental expert disclosures, as required by Federal Rule 26(e), that explain their new approach to calculating options damages, all bases therefor, and all underlying calculations, and (2) compel further depositions of Professor Heston and Dr. Hartzmark to allow Defendants to question them about their supplemental opinions. Given the January 17, 2023 trial date, and consistent with the Court's Civil Standing Order, Defendants respectfully request an expedited hearing on this motion.

Respectfully, submitted,

Alex Spiro (appearing pro hac vice)

Case No. 3:18-cv-04865-EMC

ATTESTATION I, Kyle K. Batter, am the ECF user whose ID and password are being used to file the above document. In compliance with the Local Rules, I hereby attest that Alex Spiro has concurred in the filing of the above document. /s/ Kyle K. Batter Kyle K. Batter -12-Case No. 3:18-cv-04865-EMC

DEFENDANTS' MOTION FOR SUPPLEMENTAL EXPERT DISCLOSURES AND DEPOSITIONS